

YOUNG BASILE



Elliott J. Mason, PhD

Patent Agent

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Practice Areas

Patent

Industries

Consumer Electronics
Electronics & Semiconductors
Information Technology
Quantum Technology

Education

Massachusetts Institute of
Technology, Ph.D., Electrical
Engineering, 2002

Massachusetts Institute of
Technology, MEng, EECS 1996

Massachusetts Institute of
Technology, SB, EECS 1994

Admissions

US Patent & Trademark Office

Dr. Mason leads the firm's quantum technologies team. He has worked closely with different inventors, helping them to protect their inventions in quantum computing and other quantum-related fields. He was an electrical engineering major at MIT from undergrad to PhD, and his PhD and postdoc research was in nonlinear and quantum optics. As an experimentalist on a team working to demonstrate enabling technologies for long-distance quantum teleportation, Dr. Mason had hands-on experience building devices for high-speed photon pair generation.

Dr. Mason is a registered patent agent. He has provided portfolio management and strategic advice for companies at various stages, including startups, and has worked with university technology licensing offices. His additional practice focus areas include patent prosecution in electrical engineering and computer science. Dr. Mason has drafted and prosecuted patent applications in numerous technology areas including optics/photonics (WDM filters, waveguides, interferometry, spectroscopy, intraocular lenses); semiconductors (multicore processor architecture, wireless chip design); networking/telecommunications protocols (wireless, optical, powerline); medical devices (optical and acoustic imaging); signal processing (video compression, voice recognition); physics and chemistry (quantum devices, nanocomposites, microfluidics); and software (database management systems, machine-learning, graphical user interfaces).

Industry Experience

Dr. Mason's research experience included a Ph.D. thesis under Dr. N.C. Wong in experimental nonlinear optics and quantum communications. He worked as a Postdoctoral Associate for the MIT Research Laboratory of Electronics (2002-2003) on free-space optical communications and as a research assistant at the MIT Lincoln Laboratory (1996-2001) on periodically-poled nonlinear materials. His graduate work included a computer science minor in distributed algorithms and networks.